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**Notice of Allowability**

Application No.

10/731,661

Applicant(s)

FESLER, ROBERT ERIC

Examiner

Joseph D. Manoskey

Art Unit

2113

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 27 August 2007.
2. ☒ The allowed claim(s) is/are 1-15 and 17-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application  |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>20071509</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                         |
|  | 9. <input type="checkbox"/> Other _____.   |

**DETAILED ACTION**

***Allowable Subject Matter***

1. Claims 1-15 and 17-21 are allowed.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Matthew Anderson (Reg. No. 39,093) on 15 November 2007.

3. The application has been amended as follows:

Please amended the specification as follows:

On page 8, line 10, please remove "transmission media".

Please amended the claims as follows:

1. (Amended) A ~~system~~ computer program product logic encoded on computer-usable media comprising instructions for verifying data in a shadow memory, comprising:

a shadow memory initializer operable to detect an initialization event, to initialize a shadow memory based on the initialization event, and to calculate original verification data for the shadow memory, the shadow memory comprising shadow data; and

a shadow memory verifier operable to detect a verification event and to verify the shadow data based on the verification event by calculating current verification data for the shadow memory and determining whether the current verification data matches the original verification data.

2. (Amended) The ~~system~~ computer program product of Claim 1, wherein the shadow memory initializer is operable to initialize the shadow memory by storing the original verification data for the shadow memory.

3. (Amended) The ~~system~~ computer program product of Claim 2, wherein the shadow data is verified when the current verification data matches the original verification data, and the shadow data is rejected when the current verification data fails to match the original verification data.

4. (Amended) The ~~system~~ computer program product of Claim 3, wherein the initialization event comprises one of: the system being powered up and the shadow data being rejected.

5. (Amended) The ~~system~~ computer program product of Claim 1, wherein the verification event comprises one of: a read request being received, a specified clock edge occurring, and a specified number of clock edges passing.

***Reasons for Allowance***

4. The following is an examiner's statement of reasons for allowance:

5. Applicant's arguments, see pages 8-14 of amendment, filed 27 August 2007, with respect to claims 1-15 and 17-21 have been fully considered and are persuasive. The 35 U.S.C. 102(b) and 35 U.S.C. 103(a) rejection of claims 1-15 and 17-21 has been withdrawn.

6. Concerning the deletion of the term "transmission media" authorized by the Applicant's Representative in the Examiner's Amendment, for purposes of examination, the deletion of such embodiments is being treated as an explicit act to remove such embodiments from the scope of the claims.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph D. Manoskey whose telephone number is (571) 272-3648. The examiner can normally be reached on Mon.-Fri. (7:30am to 4pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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JDM  
November 15, 2007

*John H. Beausoleil*  
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